

**Amendments to the Specification:**

After the first paragraph beginning at page 1, numbered lines 5-7 and before the second paragraph, lines 9-20, insert the following heading:

**Background Of The Invention**


After the second paragraph beginning at page 11, numbered lines 5-8, and before the second paragraph, numbered lines 10-15, insert the following heading:

**Detailed Description Of The Invention**

After the second paragraph beginning at Amended Sheet 3, numbered lines 13-19 and before the second paragraph, numbered lines 21-35 insert the following heading:

**Summary Of The Invention**

Please replace the third paragraph beginning at Amended Sheet 3, numbered lines 21-35, and continuing onto Amended Sheet 3a, lines 1-6 with the following amended paragraph:

 ~~The object is achieved by means of a tool having the features of Claim 1 [[.]]~~ In context with the invention, the expression "tool" includes each component having a coating serving for abrasion resistance of the component. Examples of such a tool are cutting tools like mills, drills, twist drills, reamers, threaders, grinding tools, trueing tools and honing tools, forming / shaping tools like drawing tools, stamping tools and punching tools, and components of the above-mentioned kind like wear parts, fairlead bushes, lands, guide surfaces, slide faces, slide bearings and cutting faces. The most prominent examples are guide surfaces of twist drills, guide surfaces of reamers and cutting surfaces of inserts. The last-mentioned examples refer to the fact that in most tools the cutting components are combined with sliding surfaces defining the position of the blade, such that components are integral with the tool. In this connection, the smooth diamond layers are particularly advantageous, because they have a high hardness and a low coefficient of friction. The components may be mounted to a tool or made up by certain tool surfaces. In many cases, the tool coating includes a tool ~~edge~~ edge.

Please replace the paragraph beginning at Amended Sheet 8, numbered lines 34-35 and continuing onto Amended Sheet 9, line 1, with the following amended paragraph:

B2 A method for producing a tool substrate coated with carbon ~~in accordance with Claim 9~~ is likewise the subject matter of the invention.

Please replace the paragraph beginning at Amended Sheet 9, numbered lines 3-9, with the following amended paragraph:

B3 ~~The essential~~ Certain process parameters for applying carbon layers with a high fraction of carbon in a diamond crystal structure are known. These include the feeding of a carbon carrier gas such as methane, and the feeding of molecular hydrogen, the setting of a suitable substrate temperature and the coating period over which, first and foremost, the thickness of the carbon layers is set.

Please replace the paragraph beginning at Amended Sheet 9, numbered lines 11-15, with the following amended paragraph:

B4 The process conditions for applying the first carbon layer for a fraction of carbon with a diamond crystal structure which is as high as possible are preferably optimized in a process step a). This produces the known diamond coatings for components which exhibit excellent wear resistance.

Please replace the paragraph beginning at Amended Sheet 9, numbered lines 16-18, with the following amended paragraph:

B5 In ~~step b)~~ another process step, the process conditions of the above-mentioned step a) are preferably changed in order to reduce the fraction of carbon with a diamond crystal structure by contrast with the first layer.

Before the first paragraph beginning at Amended Sheet 10, numbered lines 1-2, insert the following heading:

Brief Description Of The Figures